

10201865

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:X

LOGINID:sssptal626kas

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	3	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	6	Oct 22	Over 1 million reactions added to CASREACT
NEWS	7	Oct 22	DGENE GETSIM has been improved
NEWS	8	Oct 29	AAASD no longer available
NEWS	9	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	10	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	11	Nov 29	COPPERLIT now available on STN
NEWS	12	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 30	Files VETU and VETB to have open access
NEWS	14	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	15	Dec 10	DGENE BLAST Homology Search
NEWS	16	Dec 17	WELDASEARCH now available on STN
NEWS	17	Dec 17	STANDARDS now available on STN
NEWS	18	Dec 17	New fields for DPCI
NEWS	19	Dec 19	CAS Roles modified
NEWS	20	Dec 19	1907-1946 data and page images added to CA and CAPlus
NEWS	21	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS	22	Jan 25	Searching with the P indicator for Preparations
NEWS	23	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS	24	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS	25	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS EXPRESS			February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

Kamal Saeed

10201865

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:13:38 ON 07 MAR 2002

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 17:13:49 ON 07 MAR 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 6 MAR 2002 HIGHEST RN 398994-63-3

DICTIONARY FILE UPDATES: 6 MAR 2002 HIGHEST RN 398994-63-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the H/Z/CA/CAPLUS files between
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches
during this period, either directly appended to a CAS Registry Number
or by qualifying an L-number with /P, may have yielded incomplete results.
As of 1/23/02, the situation has been resolved. Also, note that searches
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAPLUS files
incorporating CAS Registry Numbers with the P indicator between 12/27/01
and 1/23/02, are encouraged to re-run these strategies. Contact the
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,
worldwide, or send an e-mail to help@cas.org for further assistance or to
receive a credit for any duplicate searches.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\09856789.str

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

Kamal Saeed

10201865

=> s l1

SAMPLE SEARCH INITIATED 17:14:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1298 TO ITERATE

77.0% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

4 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 23800 TO 28120
PROJECTED ANSWERS: 4 TO 239

L3 4 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 17:14:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 25378 TO ITERATE

100.0% PROCESSED 25378 ITERATIONS
SEARCH TIME: 00.00.02

134 ANSWERS

L4 134 SEA SSS FUL L1

=>Testing the current file..... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\09856789.str

L5 STRUCTURE UPLOADED

=> que L5

L6 QUE L5

=> s l5

SAMPLE SEARCH INITIATED 17:17:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1292 TO ITERATE

77.4% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 23685 TO 27995
PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L5

=> s l5 full

FULL SEARCH INITIATED 17:18:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 25277 TO ITERATE

100.0% PROCESSED 25277 ITERATIONS

0 ANSWERS

Kamal Saeed

10201865

SEARCH TIME: 00.00.01

L8 0 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

282.36

282.51

FILE 'CAPLUS' ENTERED AT 17:18:38 ON 07 MAR 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 7 Mar 2002 VOL 136 ISS 10

FILE LAST UPDATED: 6 Mar 2002 (20020306/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAPLUS files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

=> ds l4

DS IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l4

L9 19 L4

=> d ibib abs hitstr tot

10201865

L9 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:521443 CAPLUS

DOCUMENT NUMBER: 127:205619

TITLE: Synthesis of a new chiral (.beta.-aminoalkyl)phosphine

ligand and its application to a catalytic asymmetric Grignard cross-coupling reaction
 Hayashi, Minoru; Takaoki, Kazuo; Hashimoto, Yukihiko; Saigo, Kazuhiko

CORPORATE SOURCE: Department of Chemistry and Biotechnology, Graduate School of Engineering, The University of Tokyo, Hongo,

113, Japan

Enantiomer (1997), 2(3-4), 293-296

CODEN: EANTE2; ISSN: 1024-2430

Gordon & Breach

Journal

English

AB A new chiral (.beta.-aminoalkyl)phosphine,

(1R,2S)-[2-(N,N-dimethylamino)-

1,2-diphenylethyl]diphenylphosphine (ADPEP), was prep'd. from the enantiomerically pure amino alc., erythro-2-amino-1,2-diphenylethanol (ADPE). Substitution of the hydroxy group by a diphenylphosphino group proceeded with retention of the stereochem., presumably via an

aziridinium

ion intermediate formed by neighboring group participation of the amino group at the .beta.-position. ADPEP was used in Ni- or Pd-catalyzed

asym.

cross-coupling reactions of (1-phenylethyl)magnesium chloride with alkenyl bromides. The coupling products with 71% ee and 94% ee were obtained in the reactions with vinyl bromide and with (E)-.beta.-styryl bromide,

resp.

IT 194808-37-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

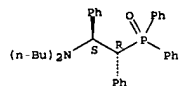
(crystal structure; prep'n. and structure of chiral (aminoalkyl)phosphine oxide)

RN 194808-37-2 CAPLUS

CN Benzeneethanamine, N,N-dibutyl-.beta.-((diphenylphosphinyl)-.alpha.-phenyl-

, (R-(R*,S*))- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



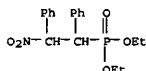
L9 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

IT 144512-60-7

RL: RCT (Reactant) (cyclization of, benzoxazine deriv. from)

RN 144512-60-7 CAPLUS

CN Phosphonic acid, (2-nitro-1,2-diphenylethyl)-, diethyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:102053 CAPLUS

DOCUMENT NUMBER: 118:102053

TITLE: Reactions of ethyl phosphites with .beta.-nitrostyrenes. The role of nitrosoalkenes as intermediates

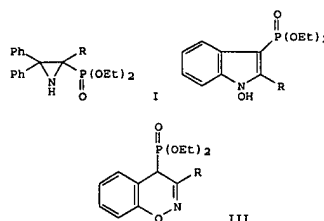
Russell, Glen A.; Yao, Ching Fa
 Dep. Chem., Iowa State Univ., Ames, IA, 50011, USA
 J. Org. Chem. (1992), 57(24), 6508-13

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB 2-Substituted 3-phenylindoles are formed in high yields in the reaction of

Ph2C:CRNO2 (R = H, Me, Ph) with (EtO)3P at 150.degree., while reaction with (EtO)2PO-/(EtO)2P(O)H at room temp. forms the aziridines I (R = H, Me, Ph). 3-Substituted 2,2-diphenyl-2H-azirines formed by deoxygenation of the Michael-type adducts are postulated as intermediates. Reactions

of PhCH:CRNO2 (R = H, Me, Ph) with (EtO)3P at 150.degree. or (EtO)2PO-/(EtO)2P(O)H at room temp. give products resulting from the addn.

of the P nucleophile at the benzyldiene C atom. Evidence for the formation of cyclic structures with pentacoordinated P atoms is presented for the reaction of Ph2C:CMENO2 with (EtO)2PO-/(EtO)2P(O)H and for PhCH:CRNO2 (R = H, Me, Ph) with (EtO)3P. The Michael-type adducts PhCH[P(O)(OEt)2]CHRN02 (R = Me, Ph) undergo reaction upon treatment with aq. base at 80-100.degree. followed by acidification to yield the 3-(diethoxyphosphinyl)-2-organo-N-hydroxyindoles II (R = Me, Ph). 4-(diethoxyphosphinyl)-3-organo-4H-1,2-benzoxazines III (R = Me, Ph) are formed by reaction of the adducts of PhCH:CRNO2 with (EtO)2PO- (R = Me)

or (EtO)3P (R = Ph) with 85% H2SO4.

L9 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1984:630660 CAPLUS

DOCUMENT NUMBER: 101:230660

TITLE: Reaction of carbanions of arylmethanephosphonic N,N,N',N'-tetramethyldiamides with Schiff bases

Petrova, I.; Momchilova, S.; Savinyac, F.
 Dep. Org. Chem., Sofia Univ., Sofia, Bulg.

God. Sofii. Univ. "Kliment Ohridski", Khim. Fak. (1984), Volume Date 1979-1980, 74, 228-35

CODEN: GSKFAL; ISSN: 0584-0317

DOCUMENT TYPE: Journal

LANGUAGE: Bulgarian

OTHER SOURCE(S): CASREACT 101:230660

AB RCH2P(O)(NMe2)2 (R = Ph, 4-ClC6H4) reacted with BuLi in THF and then with PhCH:NR1 (R1 = Ph, 4-ClC6H4, 4-MeC6H4) to give 6 corresponding R1NHCPhCHRP(O)(NMe2)2 (I) in 51-80% yields after immediate hydrolysis and 32% Z- and E-stilbene after 1 h in refluxing THF. Free I did not undergo thermal fragmentation to give olefins. Only three-I (R = Ph) were

formed, but I (R = 4-ClC6H4) were formed as mixts. of the threo and erythro diastereomers. The IR spectra of I indicated intramol. H bonding.

IT 93398-19-7P 93398-20-OP 93398-21-1P

93398-22-2P 93398-23-3P 93398-24-4P

93398-25-5P 93398-26-6P 93398-27-7P

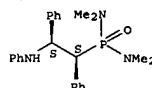
RL: SPN (Synthetic preparation); PREP (Preparation)

(prep'n. and hydrogen bonding in, IR spectrum in relation to)

RN 93398-19-7 CAPLUS

CN Phosphonic diamide, P-[2-[(4-chlorophenyl)amino]-1,2-diphenylethyl]-N,N,N',N'-tetramethyl-, (R*,R*)- (9CI) (CA INDEX NAME)

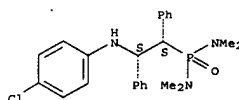
Relative stereochemistry.



RN 93398-20-0 CAPLUS

CN Phosphonic diamide, P-[2-[(4-methylphenyl)amino]-1,2-diphenylethyl]-N,N,N',N'-tetramethyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 93398-21-1 CAPLUS

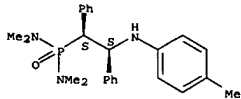
CN Phosphonic diamide, N,N,N',N'-tetramethyl-P-[2-[(4-methylphenyl)amino]-1,2-diphenylethyl]-, (R*,R*)- (9CI) (CA INDEX NAME)

Kamal Saeed

10201865

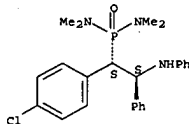
L9 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

Relative stereochemistry.



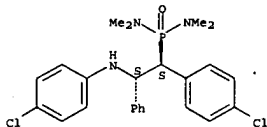
RN 93398-22-2 CAPLUS
CN Phosphonic diester, P-[1-(4-chlorophenyl)-2-phenyl-2-(phenylamino)ethyl]-N,N,N',N'-tetramethyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 93398-23-3 CAPLUS
CN Phosphonic diester, P-[1-(4-chlorophenyl)-2-[(4-chlorophenyl)amino]-2-phenylethyl]-N,N,N',N'-tetramethyl-, (R*,R*)- (9CI) (CA INDEX NAME)

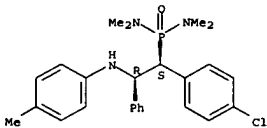
Relative stereochemistry.



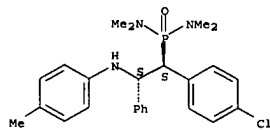
RN 93398-24-4 CAPLUS
CN Phosphonic diester, P-[1-(4-chlorophenyl)-2-[(4-methylphenyl)amino]-2-phenylethyl]-N,N,N',N'-tetramethyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

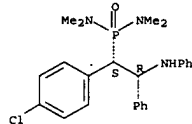


L9 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



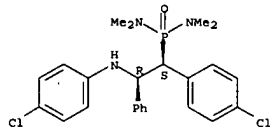
RN 93398-25-5 CAPLUS
CN Phosphonic diester, P-[1-(4-chlorophenyl)-2-phenyl-2-(phenylamino)ethyl]-N,N,N',N'-tetramethyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 93398-26-6 CAPLUS
CN Phosphonic diester, P-[1-(4-chlorophenyl)-2-[(4-chlorophenyl)amino]-2-phenylethyl]-N,N,N',N'-tetramethyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



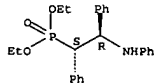
RN 93398-27-7 CAPLUS
CN Phosphonic diester, P-[1-(4-chlorophenyl)-2-[(4-methylphenyl)amino]-2-phenylethyl]-N,N,N',N'-tetramethyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2002 ACS

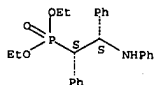
ACCESSION NUMBER: 1983:4217 CAPLUS
DOCUMENT NUMBER: 98:4217
TITLE: Proton NMR spectra and stereochemistry of diastereomeric 2-arylamino-1,2-diarylethanephosphonic acid esters
AUTHOR(S): Spassov, S.; Petrova, J.; Kirilov, M.
CORPORATE SOURCE: Inst. Org. Chem., Sofia, 1113, Bulg.
SOURCE: J. Mol. Struct. (1982), 84(1-2), 91-6
CODEN: JMOSB4; ISSN: 0022-2860
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A series of diastereomeric 2-arylamino-1,2-diarylethanephosphonic acid di-Et and diisopropyl esters contg. various substituents on the arom. rings have been studied by 1H NMR and in some cases also by IR spectra. On the basis of the data obtained (mainly the vicinal H-H and H-P coupling consts.) it is possible to det. the relative configurations and the favored conformations of the compds. The importance of intramol. hydrogen bonds and other factors in the conformational preference of acyclic diastereomers is discussed.
IT 83858-55-3 83858-56-4 83858-57-5
83858-58-6 83858-59-7 83858-60-0
83858-61-1 83858-62-2 83858-63-3
83858-64-4 83858-65-5 83858-66-6
83858-67-7 83858-68-8 83858-69-9
83858-71-3 83858-72-4 83858-73-5
RL: PRP (Properties)
(NMR of)
RN 83858-55-3 CAPLUS
CN Phosphonic acid, [1,2-diphenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 83858-56-4 CAPLUS
CN Phosphonic acid, [1,2-diphenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



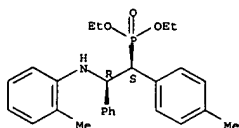
RN 83858-57-5 CAPLUS
RN 83858-58-6 CAPLUS

Kamal Saeed

10201865

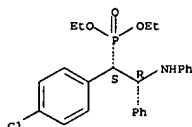
L9 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN Phosphonic acid, [1-(4-methylphenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



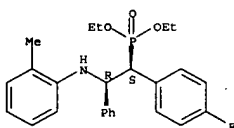
RN 83858-59-7 CAPLUS
 CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 83858-60-0 CAPLUS
 CN Phosphonic acid, [1-(4-fluorophenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

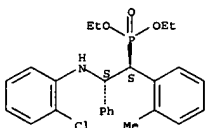
Relative stereochemistry.



RN 83858-61-1 CAPLUS
 CN Phosphonic acid, [2-[(4-chlorophenyl)amino]-1-(4-fluorophenyl)-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

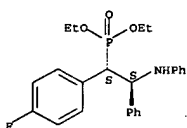
Relative stereochemistry.

L9 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



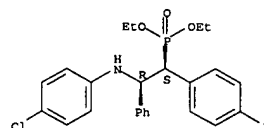
RN 83858-69-9 CAPLUS
 CN Phosphonic acid, [1-(4-fluorophenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



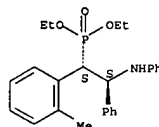
RN 83858-71-3 CAPLUS
 RN 83858-72-4 CAPLUS
 RN 83858-73-5 CAPLUS

L9 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



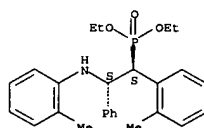
RN 83858-62-2 CAPLUS
 RN 83858-63-3 CAPLUS
 RN 83858-64-4 CAPLUS
 RN 83858-65-5 CAPLUS
 RN 83858-66-6 CAPLUS
 CN Phosphonic acid, [1-(2-methylphenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 83858-67-7 CAPLUS
 CN Phosphonic acid, [1-(2-methylphenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

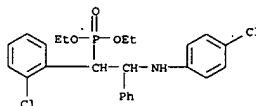


RN 83858-68-8 CAPLUS
 CN Phosphonic acid, [2-[(2-chlorophenyl)amino]-1-(2-methylphenyl)-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1982:122878 CAPLUS
 DOCUMENT NUMBER: 96:122878
 TITLE: Reaction of organophosphorus CH-acid compounds with Schiff bases in the presence of acidic and basic catalysts. Part 10. Reactivity of esters of o- and p-halophenylmethanephosphonic acids
 AUTHOR(S): Kirilov, M.; Petrova, I.; Vasileva, M.; Ivanova, E.; Momchilova, S.
 CORPORATE SOURCE: Chem. Fac., Univ. Sofia, Sofia, 1126, Bulg.
 SOURCE: Izv. Khim. (1981), 14(1), 40-8
 CODEN: IZKHDX; ISSN: 0324-0401
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB The reaction of RC6H4CH2P(O)(OEt)2 (I, R = 2-Cl) with R1C6H4N:CHPh (II; R1 = H, 2-Cl, 4-Cl, 2-Me, 4-Me) in the presence of NaNH2 in ether gave (E)-RC6H4CH:CHPh (III) exclusively in almost all cases. I (R = 4-F, 4-Cl) reacted with II and NaNH2 in ether to give both III and RC6H4CH(P(O)(OEt)2)CHPhNHC6H4R1 (IV). In NH3(l), however, IV were generally isolated in high yields. The stereochem. of IV and the ortho effect with I (R = 2-Cl) were discussed.
 IT 81034-21-1P 81034-22-2P 81034-23-3P 81034-24-4P 81034-25-5P 81034-26-6P 81034-27-7P 81034-28-8P 81034-29-9P 81034-30-2P 81034-31-3P 81034-32-4P 81034-33-5P 81034-34-6P 81034-35-7P 81034-36-8P 81034-37-9P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
 RN 81034-21-1 CAPLUS
 CN Phosphonic acid, [1-(2-chlorophenyl)-2-[(4-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)

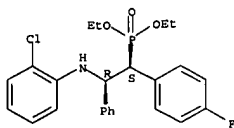


RN 81034-22-2 CAPLUS
 RN 81034-23-3 CAPLUS
 CN Phosphonic acid, [2-[(2-chlorophenyl)amino]-1-(4-fluorophenyl)-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

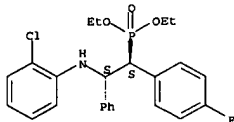
10201865

L9 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



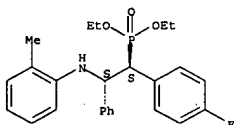
RN 81034-24-4 CAPLUS
CN Phosphonic acid, [2-[(2-chlorophenyl)amino]-1-(4-fluorophenyl)-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 81034-25-5 CAPLUS
RN 81034-26-6 CAPLUS
RN 81034-27-7 CAPLUS
CN Phosphonic acid, [1-(4-fluorophenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

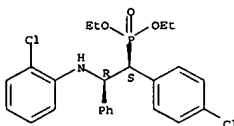
Relative stereochemistry.



RN 81034-28-8 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(2-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

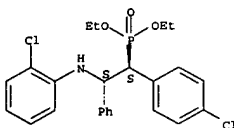
Relative stereochemistry.

L9 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



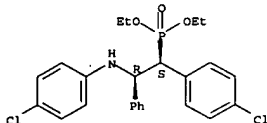
RN 81034-33-5 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(2-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 81034-34-6 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(4-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

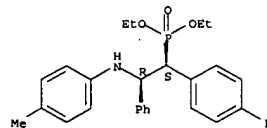
Relative stereochemistry.



RN 81034-35-7 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(4-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

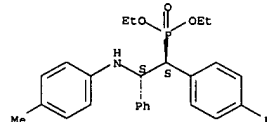
Relative stereochemistry.

L9 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



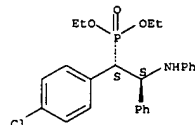
RN 81034-29-9 CAPLUS
CN Phosphonic acid, [1-(4-fluorophenyl)-2-[(4-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 81034-30-2 CAPLUS
RN 81034-31-3 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

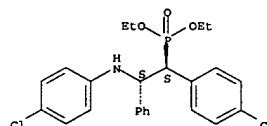
Relative stereochemistry.



RN 81034-32-4 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(2-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

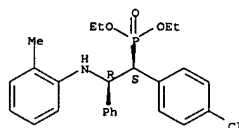
Relative stereochemistry.

L9 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



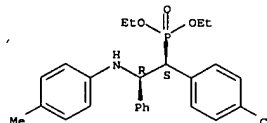
RN 81034-36-8 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 81034-37-9 CAPLUS
CN Phosphonic acid, [1-(4-chlorophenyl)-2-[(4-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



10201865

L9 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1978:596854 CAPLUS

DOCUMENT NUMBER: 89:196854

TITLE: Stereochemistry of the reaction of diethyl ester of 4-methyl-phenylmethanephosphonic acid and N-benzylidene aniline. Effect of the solvent and temperature

AUTHOR(S): Kirilov, M.; Petrova, I.; Momchilova, S.; Kharisanova, S.

CORPORATE SOURCE: Fac. Chem., Univ. Sofia, Sofia, Bulg.

SOURCE: Izv. Khim. (1977), 10(4), 578-86

CODEN: IZKHDX; ISSN: 0324-0401

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In Et₂O and in dioxane in a heterogeneous system, the reaction of p-MeC₆H₄CH₂P(O)(OEt)₂ with PhCH=NPh in the presence of NaNH₂ stereospecifically gives the erythro isomer (kinetic control), which is converted to the more stable threo isomer. In a homogeneous system in

the same solvents, the reaction is less reversible. In DMF and in (Me₂N)P(O)

in a heterogeneous or homogeneous system, the reaction is not stereospecific.

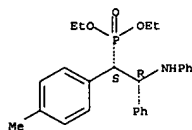
IT 30085-79-1P 30085-80-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and isomerization of)

RN 30085-79-1 CAPLUS

CN Phosphonic acid, [1-(4-methylphenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 30085-80-4 CAPLUS

CN Phosphonic acid, [1-(4-methylphenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1976:577542 CAPLUS

DOCUMENT NUMBER: 85:177542

TITLE: Reaction of organophosphorus methylidyne-acid compounds with Schiff bases in the presence of acid and alkaline catalysts, VIII. Reactivity of esters

of 2-thienylmethanephosphonic acid and their carbanions

AUTHOR(S): Kirilov, M.; Petrova, I.; Momchilova, S.; Galunski, B.

CORPORATE SOURCE: Chem. Fac., Univ. Sofia, Sofia, Bulg.

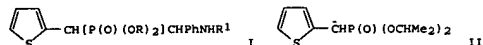
SOURCE: Chem. Ber. (1976), 109(5), 1684-93

CODEN: CHBEAM

DOCUMENT TYPE: Journal

LANGUAGE: German

GI



AB The carbanions of Et and Me₂CH 2-thienylmethanephosphonates, produced by means of NaNH₂, reacted in ether or in liq. NH₃ with PhCH=NR₁ to give 15-74% 10 I (R = Et, CHMe₂; R₁ = Ph, o-, p-ClC₆H₄, o-, p-tolyl). Me₂CH 2-thienylmethanephosphonate is more CH-acidic than PhCH₂P(O)(OCHMe₂)₂ and the nucleophilicities of the ir carbanions, II and PhC-HP(O)(OCHMe₂)₂ (III), are in reverse correlation to one another. Competitive reaction

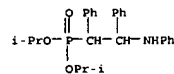
of II and III with BzH in refluxing ether gave a mixt. of trans-1-phenyl-2-(2-thienyl)ethylene (IV) and stilbene in which IV predominates.

IT 20491-16-1P

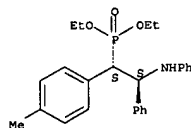
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 20491-16-1 CAPLUS

CN Phosphonic acid, [1,2-diphenyl-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



L9 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



L9 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1976:420403 CAPLUS

DOCUMENT NUMBER: 85:20403

TITLE: Kinetics of the decomposition of diethyl 2-anilino-2-phenyl-1-p-tolyl ethyl phosphonate (1 RS, 2 RS)

AUTHOR(S): Petrova, I.; Kirilov, M.

CORPORATE SOURCE: Fac. Chem., Univ. Sofia, Sofia, Bulg.

SOURCE: C. R. Hebd. Seances Acad. Sci., Ser. C (1976),

282(13), 603-6

CODEN: CHDCAQ

DOCUMENT TYPE: Journal

LANGUAGE: French

AB The kinetics for the decompn. of (EtO)₂P(O)CH(C₆H₄Me-p)CHPhNHPh in the presence of NaNH₂ were detd. in dioxane. The data showed that of the 3 reactions: metalation, retrogression, and olefination, the latter is the slowest.

IT 30085-80-4

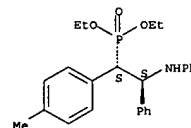
RL: PRP (Properties)

(decompn. in presence of sodium amide, kinetics of)

RN 30085-80-4 CAPLUS

CN Phosphonic acid, [1-(4-methylphenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



10201865

L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1975:458946 CAPLUS

DOCUMENT NUMBER: 81:58946

TITLE: Reaction of CH-acidic organophosphorus compounds with Schiff bases in the presence of acidic and basic catalysts. VII. Reaction of esters of p-bromobenzylphosphonic acid in the presence of sodamide and aluminum chloride

Kirilov, M.; Petrova, I.; Samirova, S.
Chem. Fac., Univ. Sofia, Sofia, Bulg.
Monatsh. Chem. (1973), 104(5), 1290-300
CODEN: MOCMB7

DOCUMENT TYPE: Journal

LANGUAGE: German

AB The reaction of p-BrC₆H₄CH₂P(O)(OR)₂ with R₁CH:NR₂ gave p-BrC₆H₄CH[P(O)(OR)₂]CH(R₁)NR₂ (R = Et, Me₂CH; R₁ = Ph, p-ClC₆H₄; R₂ = Ph, o-, p-ClC₆H₄, o-, m-, p-MeC₆H₄).

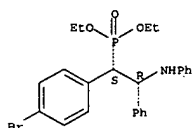
IT 51665-09-9P 51665-10-2P 51665-11-3P
51665-12-4P 51665-13-5P 51665-14-6P
51665-15-7P 51665-17-9P 51665-18-0P
51665-19-1P 51665-20-4P 51665-21-5P
51665-22-6P 56372-28-2P 56372-29-3P
56372-30-6P 56372-31-7P 56372-32-8P
56372-33-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 51665-09-9 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

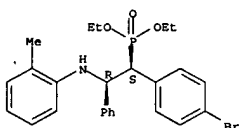


RN 51665-10-2 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

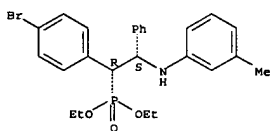
L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 51665-14-6 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((3-methylphenyl)amino)-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

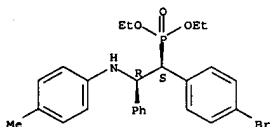
Relative stereochemistry.



RN 51665-15-7 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((4-methylphenyl)amino)-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

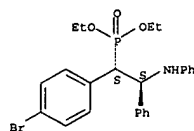


RN 51665-17-9 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

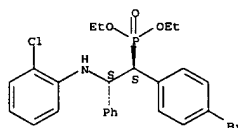
L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 51665-11-3 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((2-chlorophenyl)amino)-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

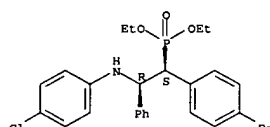
Relative stereochemistry.



RN 51665-12-4 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((4-chlorophenyl)amino)-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

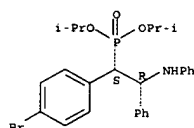


RN 51665-13-5 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((2-methylphenyl)amino)-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

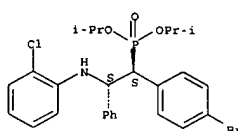
L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 51665-18-0 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((2-chlorophenyl)amino)-2-phenylethyl]-, bis(1-methylethyl) ester, (R*,R*)- (9CI) (CA INDEX NAME)

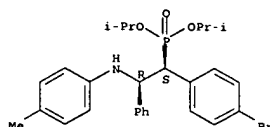
Relative stereochemistry.



RN 51665-19-1 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-((4-methylphenyl)amino)-2-phenylethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



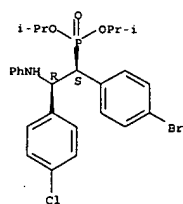
RN 51665-20-4 CAPLUS

CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

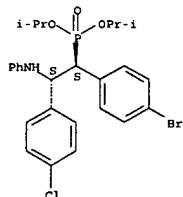
10201865

L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

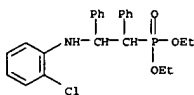


RN 51665-21-5 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

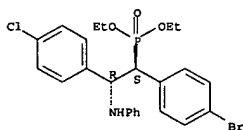


RN 51665-22-6 CAPLUS
CN Phosphonic acid, [2-[(2-chlorophenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



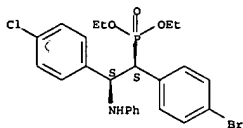
RN 56372-28-2 CAPLUS

L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



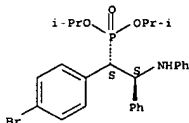
RN 56372-32-8 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



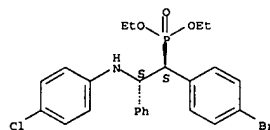
RN 56372-33-9 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



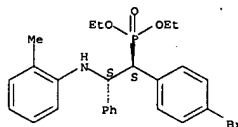
L9 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(4-chlorophenylamino)-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



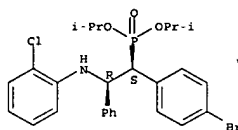
RN 56372-29-3 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(2-methylphenylamino)-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 56372-30-6 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(2-chlorophenylamino)-2-phenylethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



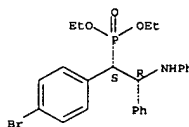
RN 56372-31-7 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1974:48103 CAPLUS
DOCUMENT NUMBER: 80:48103
TITLE: Reaction of CH-acidic organophosphorus compounds with Schiff bases in the presence of acidic and basic catalysts. VII. Reaction of esters of p-bromobenzylphosphonic acid in the presence of sodium amide and aluminum chloride
AUTHOR(S): Kirilov, M.; Petrova, I.; Samurova, S.
CORPORATE SOURCE: Chem. Fac., Univ. Sofia, Sofia, Bulg.
SOURCE: Monatsh. Chem. (1973), 104(5), 1290-300
CODEN: MOCHAP
DOCUMENT TYPE: Journal
LANGUAGE: German
AB The phosphonates p-BrC6H4CH(P(O)(OR)2)CH(C6H4R1-p)NHC6H4R2 (I; R = Et, CHMe2; R1 = H, Br; R2 = H, 2-Cl, 4-Cl, 2-Me, 3-Me, 4-Me) were prepd. in 35-78% yield by treating p-BrC6H4CH2P(O)(OR)2 with p-R1C6H4CH:NC6H4R2 in the presence of NaNH2 in Et2O at -33.degree.. Some p-BrC6H4CH:NC6H4R2 was also isolated. I yields were lower in Et2O at 10.degree. and in liq. NH3 with more stilbene formation. The reaction also took place in the presence of AlCl3, but in low yield.
IT 51665-09-9P 51665-10-2P 51665-11-3P
51665-12-4P 51665-13-5P 51665-14-6P
51665-15-7P 51665-16-8P 51665-17-9P
51665-18-0P 51665-19-1P 51665-20-4P
51665-21-5P 51665-22-6P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
RN 51665-09-9 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

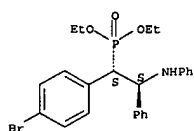


RN 51665-10-2 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

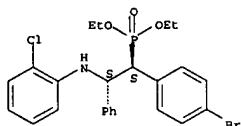
10201865

L9 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



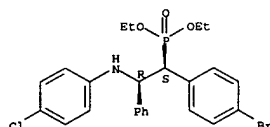
RN 51665-11-3 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(2-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 51665-12-4 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(4-chlorophenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

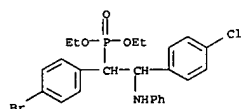
Relative stereochemistry.



RN 51665-13-5 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(2-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

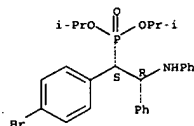
Relative stereochemistry.

L9 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



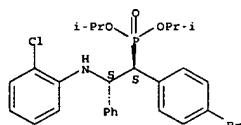
RN 51665-17-9 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-phenyl-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 51665-18-0 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(2-chlorophenyl)amino]-2-phenylethyl]-, bis(1-methylethyl) ester, (R*,R*)- (9CI) (CA INDEX NAME)

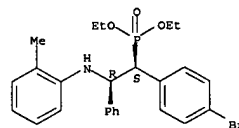
Relative stereochemistry.



RN 51665-19-1 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(4-methylphenyl)amino]-2-phenylethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

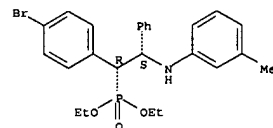
Relative stereochemistry.

L9 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



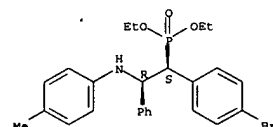
RN 51665-14-6 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(3-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



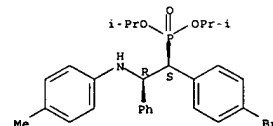
RN 51665-15-7 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-[(4-methylphenyl)amino]-2-phenylethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



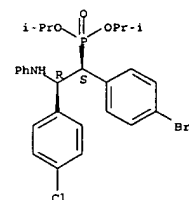
RN 51665-16-8 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, diethyl ester (9CI) (CA INDEX NAME)

L9 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



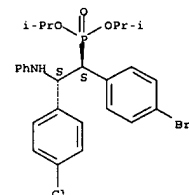
RN 51665-20-4 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 51665-21-5 CAPLUS
CN Phosphonic acid, [1-(4-bromophenyl)-2-(4-chlorophenyl)-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

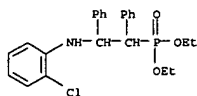


RN 51665-22-6 CAPLUS

Kamal Saeed

10201865

L9 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)
 CN Phosphonic acid, [2-[(2-chlorophenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1973:546595 CAPLUS

DOCUMENT NUMBER: 79:146595

TITLE: Synthesis of dialkyl esters of 2-benzoylamino-1-(4-methyl- and 4-bromophenyl)-2,2-diphenylethanephosphonic acid and their phosphoryl-activated olefination in an acid medium

AUTHOR(S): Luu Van Huyen, M. Kirilov

CORPORATE SOURCE: Fac. Chem., Sofia Univ., Sofia, Bulg.

SOURCE: Dokl. Bulg. Akad. Nauk (1973), 26(6), 781-4

CODEN: DBANAD

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Treating p-RC6H4CH2P(O)(OR)2 (R = Me, Br; R1 = Et, Pr, Me2CH, Bu, Me2CHCH2) with NaNH2-NH3 gave p-RC6H4CHNaP(O)(OR)2 which with Ph2C:NBz after acidifying gave 52-73% p-RC6H4CH[P(O)(OR)2]CPh2NHBz (I). No substituent effect or effect by the use of different metals was seen. Boiling I in HCl gave p-RC6H4CH:CPh2 and PhCONHP+(OH)(OR)2 which decompd.

to BzOH, H3PO4, NH4+, and R1OH.

IT 50289-60-6P 50289-61-7P 50289-62-8P

50289-63-9P 50289-64-0P 50289-65-1P

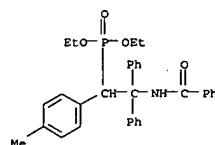
50289-66-2P 50289-67-3P 50289-68-4P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 50289-60-6 CAPLUS

CN Phosphonic acid,

[2-(benzoylamino)-1-(4-methylphenyl)-2,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)

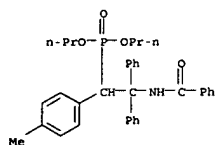


RN 50289-61-7 CAPLUS

CN Phosphonic acid,

[2-(benzoylamino)-1-(4-methylphenyl)-2,2-diphenylethyl]-, dipropyl ester (9CI) (CA INDEX NAME)

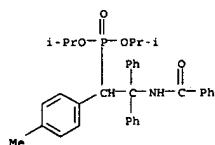
L9 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 50289-62-8 CAPLUS

CN Phosphonic acid,

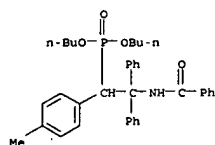
[2-(benzoylamino)-1-(4-methylphenyl)-2,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



RN 50289-63-9 CAPLUS

CN Phosphonic acid,

[2-(benzoylamino)-1-(4-methylphenyl)-2,2-diphenylethyl]-, dibutyl ester (9CI) (CA INDEX NAME)

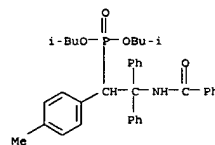


RN 50289-64-0 CAPLUS

CN Phosphonic acid,

[2-(benzoylamino)-1-(4-methylphenyl)-2,2-diphenylethyl]-, bis(2-methylpropyl) ester (9CI) (CA INDEX NAME)

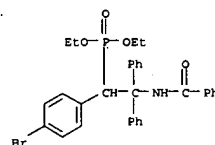
L9 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



RN 50289-65-1 CAPLUS

CN Phosphonic acid,

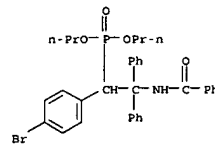
[2-(benzoylamino)-1-(4-bromophenyl)-2,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 50289-66-2 CAPLUS

CN Phosphonic acid,

[2-(benzoylamino)-1-(4-bromophenyl)-2,2-diphenylethyl]-, dipropyl ester (9CI) (CA INDEX NAME)



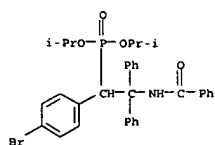
RN 50289-67-3 CAPLUS

CN Phosphonic acid,

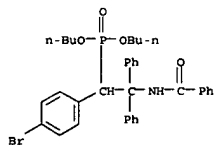
[2-(benzoylamino)-1-(4-bromophenyl)-2,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

10201865

L9 ANSWER 11 OF 19 CAPLUS . COPYRIGHT 2002 ACS (Continued)



RN 50289-68-4 CAPLUS
 CN Phosphonic acid, [2-(benzoylamino)-1-(4-bromophenyl)-2,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1973:148038 CAPLUS
 DOCUMENT NUMBER: 78:148038
 TITLE: Reactions of organophosphorus compounds containing an activated methylene group with Schiff bases in the presence of acidic and basic catalysts
 AUTHOR(S): Kirillov, M.; Petrova, I.
 CORPORATE SOURCE: Sofia State Univ., Sofia, Bulg.
 SOURCE: Khim. Primen. Fosfororg. Soedin., Tr. Konf., 4th (1972)

], Meeting Date 1969, 212-16. Editor(s): Grechkin, N. P. "Nauka":

Moscow, USSR.
 CODEN: 26KQA2

DOCUMENT TYPE: Conference
 LANGUAGE: Russian

AB PhCH(NHR)CHPhP(O)(OR)2 (I; R = Ph, m-ClC6H4, p-ClC6H4, o-, m-, p-MeC6H4, R1 = Et, Me2CH) were obtained in 52-88% yields by treatment of PhCH2P(O)(OR)2 with PhCH:NR in Et2O contg. 0.4-0.5 mole NaNH2.

Analogous

reaction of I with PhCH:NR in Et2O contg. 2.0-2.3 mole NaNH2 gave the corresponding PhCH:CHPh and (R1O)2P(O)NHR. A carbanion mechanism for these reactions was proposed.

IT 20491-12-7P 20491-13-8P 20491-14-9P

20491-15-0P 20491-16-1P 20491-17-2P

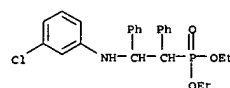
20491-18-3P 20491-19-4P 20491-20-7P

21563-37-1P 41397-31-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

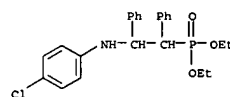
RN 20491-12-7 CAPLUS

CN Phosphonic acid, [2-[(3-chlorophenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 20491-13-8 CAPLUS

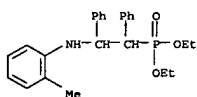
CN Phosphonic acid, [2-[(4-chlorophenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 20491-14-9 CAPLUS

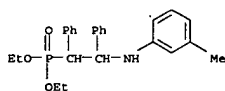
L9 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

CN Phosphonic acid, [2-[(2-methylphenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



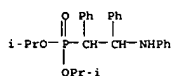
RN 20491-15-0 CAPLUS

CN Phosphonic acid, [2-[(3-methylphenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



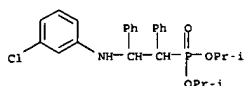
RN 20491-16-1 CAPLUS

CN Phosphonic acid, [1,2-diphenyl-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



RN 20491-17-2 CAPLUS

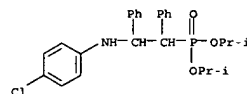
CN Phosphonic acid, [2-[(3-chlorophenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



RN 20491-18-3 CAPLUS

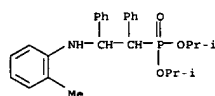
CN Phosphonic acid, [2-[(4-chlorophenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

L9 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



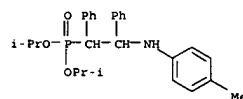
RN 20491-19-4 CAPLUS

CN Phosphonic acid, [2-[(2-methylphenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



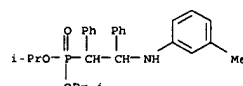
RN 20491-20-7 CAPLUS

CN Phosphonic acid, [2-[(4-methylphenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



RN 21563-37-1 CAPLUS

CN Phosphonic acid, [2-[(3-methylphenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

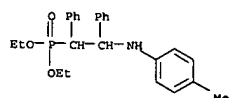


RN 41397-31-3 CAPLUS

CN Phosphonic acid, [2-[(4-methylphenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)

10201865

L9 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

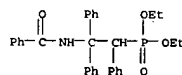


L9 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2002 ACS

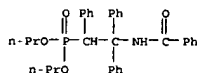
ACCESSION NUMBER: 1973:43589 CAPLUS
 DOCUMENT NUMBER: 78:43589
 TITLE: Synthesis of (2-benzamido-1,2,2-triphenylethyl)phosphonate esters. PO-activated imination in acid media
 AUTHOR(S): Kirilov, Marko; Luu Van Huyen
 CORPORATE SOURCE: Chem. Fak., Univ. Sofia, Sofia, Bulg.
 SOURCE: Tetrahedron Lett. (1972), (44), 4487-90
 CODEN: TELEAY
 DOCUMENT TYPE: Journal
 LANGUAGE: German

AB Reaction of PhCHLiP(O)(OR)2 [R = Et, Pr, CHMe2, CH2CHMe2, (CH2)2CHMe2] prepd. by metalation of PhCH2P(O)(OR)2 with LiNH2 in liq. NH3 or Et2O, with Ph2C:NH2 in Et2O gave 55-93% Ph2C(NHBz)CHPhP(O)(OR)2.
 IT 40347-85-1P 40347-86-2P 40347-87-3P
 40347-88-4P 40347-89-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

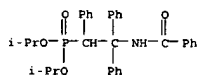
RN 40347-85-1 CAPLUS
 CN Phosphonic acid, [2-(benzoylamino)-1,2,2-triphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 40347-86-2 CAPLUS
 CN Phosphonic acid, [2-(benzoylamino)-1,2,2-triphenylethyl]-, dipropyl ester (9CI) (CA INDEX NAME)



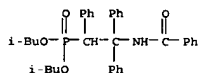
RN 40347-87-3 CAPLUS
 CN Phosphonic acid, [2-(benzoylamino)-1,2,2-triphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



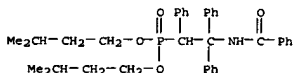
RN 40347-88-4 CAPLUS

L9 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

CN Phosphonic acid, [2-(benzoylamino)-1,2,2-triphenylethyl]-, bis(2-methylpropyl) ester (9CI) (CA INDEX NAME)



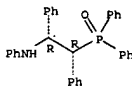
RN 40347-89-5 CAPLUS
 CN Phosphonic acid, [2-(benzoylamino)-1,2,2-triphenylethyl]-, bis(3-methylbutyl) ester (9CI) (CA INDEX NAME)



L9 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2002 ACS

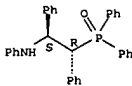
ACCESSION NUMBER: 1972:99775 CAPLUS
 DOCUMENT NUMBER: 76:99775
 TITLE: Reaction of diphenylbenzylphosphine oxide with Schiff bases in the presence of metal-containing bases
 AUTHOR(S): Petrova, I. P.; Kirilov, M.; Dimitrova, K. I.
 CORPORATE SOURCE: Fac. Chem., Sofia Univ., Sofia, Bulg.
 SOURCE: Dokl. Bolg. Akad. Nauk (1971), 24(9), 1179-82
 CODEN: DBANAD
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Reaction of Ph2P(O)CH2Ph (I) with ArN:CHPh (II) (Ar = Ph) in Et2O or C6H6 at >0.degree. in the presence of NaNH2, LiNH2, or PhLi gave only stilbene and Ph2P(O)NHar (III) (R = Ph). In Et2O at -10 to -20.degree. with PhLi, I and II (Ar = Ph, o-ClC6H4, m-ClC6H4, and p-tolyl) gave 1-49% threo- and erythro-Ph2P(O)CHPhCHPhCHPhNH Ar, besides stilbene and III.
 IT 36163-78-7P 36163-79-8P 36163-80-1P
 36163-81-2P 36163-82-3P 36163-83-4P
 36163-84-5P 36163-85-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 36163-78-7 CAPLUS
 CN Benzeneethanamine, .beta.-((diphenylphosphinyl)-N,.alpha.-diphenyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 36163-79-8 CAPLUS
 CN Benzeneethanamine, .beta.-((diphenylphosphinyl)-N,.alpha.-diphenyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

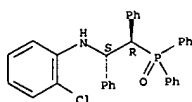


RN 36163-80-1 CAPLUS
 CN Benzeneethanamine, N-(2-chlorophenyl)-.beta.-((diphenylphosphinyl)-.alpha.-phenyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

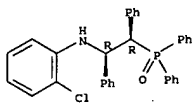
10201865

L9 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



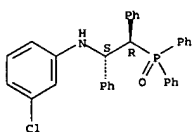
RN 36163-81-2 CAPLUS
CN Benzeneethanamine,
N-(2-chlorophenyl)-.beta.-(diphenylphosphinyl)-.alpha.-
phenyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 36163-82-3 CAPLUS
CN Benzeneethanamine,
N-(3-chlorophenyl)-.beta.-(diphenylphosphinyl)-.alpha.-
phenyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

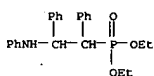


RN 36163-83-4 CAPLUS
CN Benzeneethanamine,
N-(3-chlorophenyl)-.beta.-(diphenylphosphinyl)-.alpha.-
phenyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

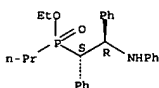
L9 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1971:53918 CAPLUS
DOCUMENT NUMBER: 74:53918
TITLE: Reactions of organophosphorus CH-acidic compounds
with
Schiff bases in the presence of acid and alkaline catalysts. V. Reaction of propylbenzylphosphinates in the presence of sodium amide
AUTHOR(S): Kirilov, Marko; Petrova, Iordanka; Petkancin, Kalina
CORPORATE SOURCE: Chem. Fac., Univ. Sofia, Sofia, Bulg.
SOURCE: Chem. Ber. (1971), 104(1), 173-81
CODEN: CHBEAM
DOCUMENT TYPE: Journal
LANGUAGE: German
AB PhCH2PrP(O)OR (R = Et, iso-Pr) and p-R1C6H4CH:NC6H4R2-p (R1 = H, Cl, R2 = H, Me) gave, in the presence of 0.5 mole equiv. NaNH2 in Et2O at -33.degree., 20-81% p-R2C6H4NHCH(C6H4R1-p)CHPhPrP(O)OR (I), while in Et2O at 10.degree. or in liq. NH3 the yields of I decreased with favoring the formation of trans-stilbenes. The reactivities in comparison to benzylphosphonates and the mechanism via an .alpha.-metallized intermediate are discussed.
IT 21563-36-0P 30459-89-3P 30517-85-2P
32719-30-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 21563-36-0 CAPLUS
CN Phosphinic acid, (2-anilino-1,2-diphenylethyl)-, diethyl ester (8CI) (CA INDEX NAME)



RN 30459-89-3 CAPLUS
CN Phosphinic acid, (2-anilino-1,2-diphenylethyl)propyl-, ethyl ester, erythro- (8CI) (CA INDEX NAME)

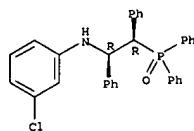
Relative stereochemistry.



RN 30517-85-2 CAPLUS
CN Phosphinic acid, (2-anilino-1,2-diphenylethyl)propyl-, ethyl ester, threo- (8CI) (CA INDEX NAME)

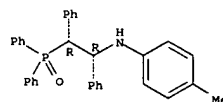
Relative stereochemistry.

L9 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



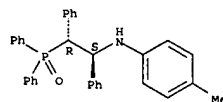
RN 36163-84-5 CAPLUS
CN Benzeneethanamine,
.beta.-(diphenylphosphinyl)-N-(4-methylphenyl)-.alpha.-
phenyl-, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

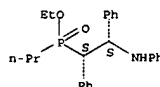


RN 36163-85-6 CAPLUS
CN Benzeneethanamine,
.beta.-(diphenylphosphinyl)-N-(4-methylphenyl)-.alpha.-
phenyl-, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

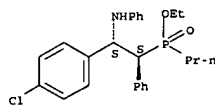


L9 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



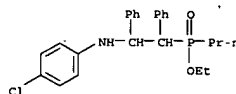
RN 32719-30-5 CAPLUS
CN Phosphinic acid, (.beta.-anilino-p-chloro-.alpha.-phenylphenethyl)-,
ethyl ester, threo- (8CI) (CA INDEX NAME)

Relative stereochemistry.

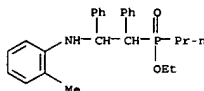


IT 30405-08-4 30405-09-5 30405-10-8
30575-78-1 32688-30-5 32688-31-6
RL: RCT (Reactant)
(stereoisomers)

RN 30405-08-4 CAPLUS
CN Phosphinic acid, [2-(p-chloroanilino)-1,2-diphenylethyl]propyl-, ethyl ester (8CI) (CA INDEX NAME)



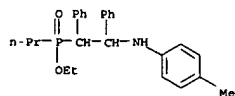
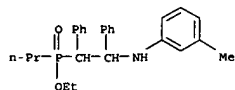
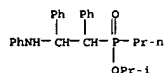
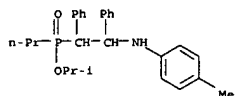
RN 30405-09-5 CAPLUS
CN Phosphinic acid, (1,2-diphenyl-2-o-toluidinoethyl)propyl-, ethyl ester (8CI) (CA INDEX NAME)



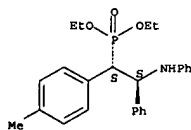
RN 30405-10-8 CAPLUS
CN Phosphinic acid, (1,2-diphenyl-2-p-toluidinoethyl)propyl-, ethyl ester

Kamal Saeed

10201865

L9 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)
(8CI) (CA INDEX NAME)RN 30575-78-1 CAPLUS
CN Phosphonic acid, (1,2-diphenyl-2-m-toluidinoethyl)propyl-, ethyl ester
(8CI) (CA INDEX NAME)RN 32688-30-5 CAPLUS
CN Phosphonic acid, (2-anilino-1,2-diphenylethyl)propyl-, isopropyl ester
(8CI) (CA INDEX NAME)RN 32688-31-6 CAPLUS
CN Phosphonic acid, (1,2-diphenyl-2-p-toluidinoethyl)propyl-, isopropyl ester
(8CI) (CA INDEX NAME)

L9 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

L9 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1970:455338 CAPLUS

DOCUMENT NUMBER: 73:55338

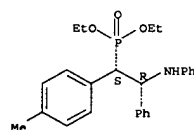
TITLE: Stereochemistry and the mechanism of the reaction of p-methylbenzyl phosphonic acid diethyl ester and N-benzylidene aniline in the presence of a metal containing base. IV

AUTHOR(S): Kirilov, Marko; Petrova, Iordanka
CORPORATE SOURCE: Chem. Fak., Univ. Sofia, Sofia, Bulg.
SOURCE: Tetrahedron Lett. (1970), (24), 2129-32
CODEN: TELEAYDOCUMENT TYPE: Journal
LANGUAGE: German

AB p-MeC6H4CH2PO3Et2 reacted with PhCH:NPh in Et2O in the presence of NaNH2 to give PhNHCHPhCH(C6H4Me-p)PO3Et2 (I). threo-I was obtained at 10.degree. and erythro-I at -33.degree.. The formation of erythro-I was kinetically and that of threo-I thermodynamically controlled. When the reaction was carried in liq. NH3, trans-PhCH:CHPh (II) was obtained in addn. of threo-I and small amts. of erythro-I. The reverse reaction was studied using various metal-contg. bases. In the presence of NaNH2, the reverse reaction gave at 60.degree. the starting products in 70% yield, and II in 7% yield. The yield of II could be increased by increasing the time of reaction.

IT 30085-79-1P 30085-80-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)RN 30085-79-1 CAPLUS
CN Phosphonic acid, [1-(4-methylphenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 30085-80-4 CAPLUS
CN Phosphonic acid, [1-(4-methylphenyl)-2-phenyl-2-(phenylamino)ethyl]-, diethyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1970:132875 CAPLUS

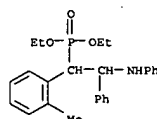
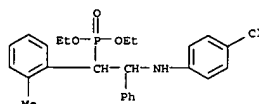
DOCUMENT NUMBER: 72:132875

TITLE: Reaction of organophosphorus CH-acidic compounds with Schiff bases in the presence of acid and alkaline catalysts. III. Reaction of esters of o- and p-methylbenzylphosphonic acids in the presence of sodium amide

AUTHOR(S): Kirilov, Marko; Petrova, Iordanka
CORPORATE SOURCE: Chem. Fak., Univ. Sofia, Sofia, Bulg.
SOURCE: Chem. Ber. (1970), 103(4), 1047-55
CODEN: CHBEAMDOCUMENT TYPE: Journal
LANGUAGE: German

AB Schiff bases, RC6H4CH:NC6H4R1 (I) (where R = H and R1 = H, 4-Cl, or 3-Me), reacted with 2-MeC6H4CH2PO(OR2)2 (II) in liq. NH3 in the presence of NaNH2

to yield 29-68% 2-MeC6H4CH[PO(OR2)2]-CH(C6H4R)NHC6H4R1. The reaction of I (where R = H or 4-Cl and R1 = H, 2-Me, or 4-Me) with II under the same conditions gave 34-9% trans-2-MeC6H4CH:CHC6H4R. 4-MeC6H4CH2-PO(OR2)2 (where R2 = Et or iso-Pr) reacted with I in the presence of NaNH2 in Et2O at -33.degree. to give 25-86% 4-MeC6H4CH-[PO(OR2)2]CH(C6H4R)NHC6H4R1.

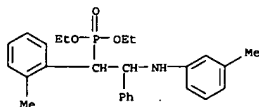
IT 27271-92-7P 27271-93-8P 27271-94-9P
27271-95-0P 27271-96-1P 27384-02-7P
27384-03-8P 27384-04-9P 27384-05-0P
27384-06-1P 29145-70-8PRL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)RN 27271-92-7 CAPLUS
CN Phosphonic acid, (.beta.-anilino-.alpha.-o-tolylphenethyl)-, diethyl ester
(8CI) (CA INDEX NAME)RN 27271-93-8 CAPLUS
CN Phosphonic acid, (.beta.-[p-chloroanilino]-.alpha.-o-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)

Kamal Saeed

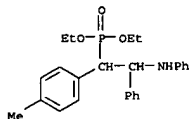
10201865

L9 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

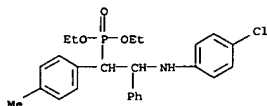
RN 27271-94-9 CAPLUS
 CN Phosphonic acid, (.beta.-m-toluidino-.alpha.-o-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)



RN 27271-95-0 CAPLUS
 CN Phosphonic acid, (.beta.-anilino-.alpha.-p-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)



RN 27271-96-1 CAPLUS
 CN Phosphonic acid, (.beta.-p-chloroanilino-.alpha.-p-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)

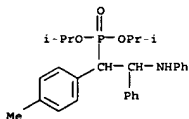


RN 27384-02-7 CAPLUS
 CN Phosphonic acid, (.beta.-o-toluidino-.alpha.-p-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)

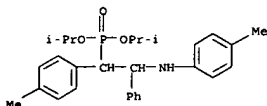


L9 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)

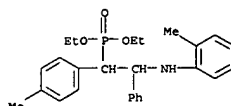
RN 27384-06-1 CAPLUS
 CN Phosphonic acid, (.beta.-anilino-.alpha.-p-tolylphenethyl)-, diisopropyl ester (8CI) (CA INDEX NAME)



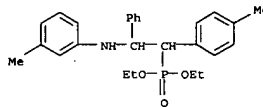
RN 29145-70-8 CAPLUS
 CN Phosphonic acid, (.beta.-p-toluidino-.beta.-p-tolylphenethyl)-, diisopropyl ester (8CI) (CA INDEX NAME)



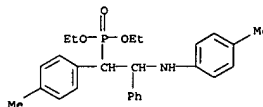
L9 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



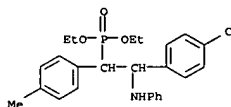
RN 27384-03-8 CAPLUS
 CN Phosphonic acid, (.beta.-m-toluidino-.alpha.-p-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)



RN 27384-04-9 CAPLUS
 CN Phosphonic acid, (.beta.-p-toluidino-.alpha.-p-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)

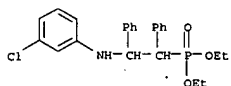


RN 27384-05-0 CAPLUS
 CN Phosphonic acid, (.beta.-anilino-p-chloro-.alpha.-p-tolylphenethyl)-, diethyl ester (8CI) (CA INDEX NAME)

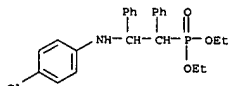


L9 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1968:506807 CAPLUS
 DOCUMENT NUMBER: 69:106807
 TITLE: Reaction of organic phosphorus compounds having
 acidic methylidyne groups with Schiff's bases in the
 presence of acidic and basic catalysts. II. Synthesis of
 2-(arylamino)-1,2-diphenylethanephosphonic acid
 esters and their dephosphorylation
 AUTHOR(S): Kirilov, Marko; Petrova, Iordanka
 CORPORATE SOURCE: Univ. Sofia, Sofia, Bulg.
 SOURCE: Chem. Ber. (1968), 101(10), 3467-74
 CODEN: CHBEAM
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 AB PHCH2P(O)(OR)2 (R = Et or iso-Pr) treated with PhCH:NR1 (R1 = Ph, p- or m-ClC6H4, o-, p- or m-MeC6H4) in the presence of NaNH2 gave (R1H-CHPhCHPhPO3R2)Na+ which decompd. thermally into trans-PhCH:CHPh and R1NHPh(O)(OR)2.
 IT 20491-12-7P 20491-13-8P 20491-14-9P
 20491-15-0P 20491-16-1P 20491-17-2P
 20491-18-3P 20491-19-4P 20491-20-7P
 21563-36-0P 21563-37-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 20491-12-7 CAPLUS
 CN Phosphonic acid, [2-[(3-chlorophenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 20491-13-8 CAPLUS
 CN Phosphonic acid, [2-[(4-chlorophenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)

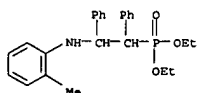


RN 20491-14-9 CAPLUS
 CN Phosphonic acid, [2-[(2-methylphenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)

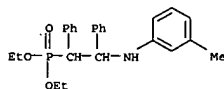


10201865

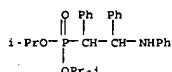
L9 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



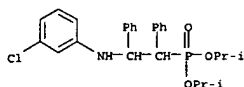
RN 20491-15-0 CAPLUS
CN Phosphonic acid, [2-[(3-methylphenyl)amino]-1,2-diphenylethyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 20491-16-1 CAPLUS
CN Phosphonic acid, [1,2-diphenyl-2-(phenylamino)ethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

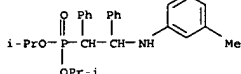


RN 20491-17-2 CAPLUS
CN Phosphonic acid, [2-[(3-chlorophenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

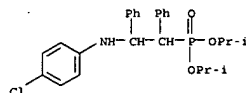


RN 20491-18-3 CAPLUS
CN Phosphonic acid, [2-[(4-chlorophenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

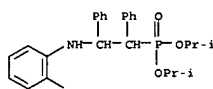
L9 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



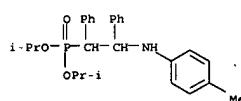
L9 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2002 ACS (Continued)



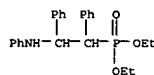
RN 20491-19-4 CAPLUS
CN Phosphonic acid, [2-[(4-methylphenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



RN 20491-20-7 CAPLUS
CN Phosphonic acid, [2-[(4-methylphenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



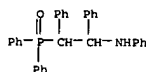
RN 21563-36-0 CAPLUS
CN Phosphonic acid, (2-anilino-1,2-diphenylethyl)-, diethyl ester (8CI) (CA INDEX NAME)



RN 21563-37-1 CAPLUS
CN Phosphonic acid, [2-[(3-methylphenyl)amino]-1,2-diphenylethyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)

L9 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1967:432741 CAPLUS
DOCUMENT NUMBER: 67:32741
TITLE: 1,3-Cycloadditions of nitrones to methylenephosphoranes
AUTHOR(S): Wulff, Jochen; Huiegen, Rolf
CORPORATE SOURCE: Univ. Munich, Munich, Ger.
SOURCE: Angew. Chem., Int. Ed. Engl. (1967), 6(5), 457-8
CODEN: ACIEAY
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA issue.
AB Equiv. mixt. of PhCH:N+PhO- (I) and Ph3P:CRRL (II, R = R1 = H) in ether at 20.degree. gave 93% colorless ppt. of cryst. 2,3,5,5,5-pentaphenyl-1,2,5-oxazaphosphole (III), decomp. 136-7.degree.. 4,4-Dideuterio-2,3,5,5,5-pentaphenyl-1,2,5-oxazaphosphole was prepd. from I and II (R = R1 = D) obtained from Ph3P+CD3Br- and NaNH2 and used for N.M.R. interpretation of III. Hydrolysis of III in aq. dioxane at 100.degree. gave 81% PhPhCH2CHP(O)Ph2 (IV). Thermolysis of III in boiling xylene gave PhNHPhCHCRRLP(O)Ph2 (V, R = R1 = H), m. 204-5.degree.. Similarly obtained were 2,3,4,5,5,5-hexaphenyl-1,2,5-oxazaphosphole, decomp. 146-7.degree., and 2,3,5,5,5-pentaphenyl-4,4-dimethyl-1,2,5-oxazaphosphole, decomp. 142-3.degree., whose thermolyses gave V (R = Ph, R1 = H), m. 228-9.degree., and V (R = R1 = Me), m. 217-19.degree., resp.
PhCH:N+MeO- reacts more slowly than I with II (R = R1 = H) in ether giving 2-methyl-3,5,5,5-tetraphenyl-1,2,5-oxazaphosphole, m. 134-5.degree., whose hydrolysis gave IV. 3,4-Dihydroisoquinoline N-oxide (VI) and II (R = R1 = H) in C6H6 at room temp. for 1 week gave 2,2,2-triphenyl 2,3,3a,8,9,9a-hexahydro-1,2,5-oxazaphospholo[2,3-a]isoquinoline (VIII), m. 146-7.degree.. Hydrolysis of VII in aq. dioxane gave VI and methyldiphenylphosphine oxide. Heating VII in the presence of BzH in dry EtOH gave 48% IV. 2,2,2,3-Tetraphenyl-2,3,3a,8,9,9a-hexahydro-1,2,5-oxazaphospholo[2,3-a]isoquinoline, decomp. 150-2.degree., was similarly prepd.
IT 14561-29-6P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
RN 14561-29-6 CAPLUS
CN Benzeneethanamine, .beta.-(diphenylphosphinyl)-N,.alpha.-diphenyl- (8CI) (CA INDEX NAME)



10201865

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

85.07

367.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-11.77

-11.77

STN INTERNATIONAL LOGOFF AT 17:21:28 ON 07 MAR 2002